

UHF Gooseneck Antenna

MODEL: TH-435D-N(M)



1. GENERAL DESCRIPTION

Model No	P/N
TH-435D	TH435D-N(M)

Below is a table summarizing the antenna design specification.

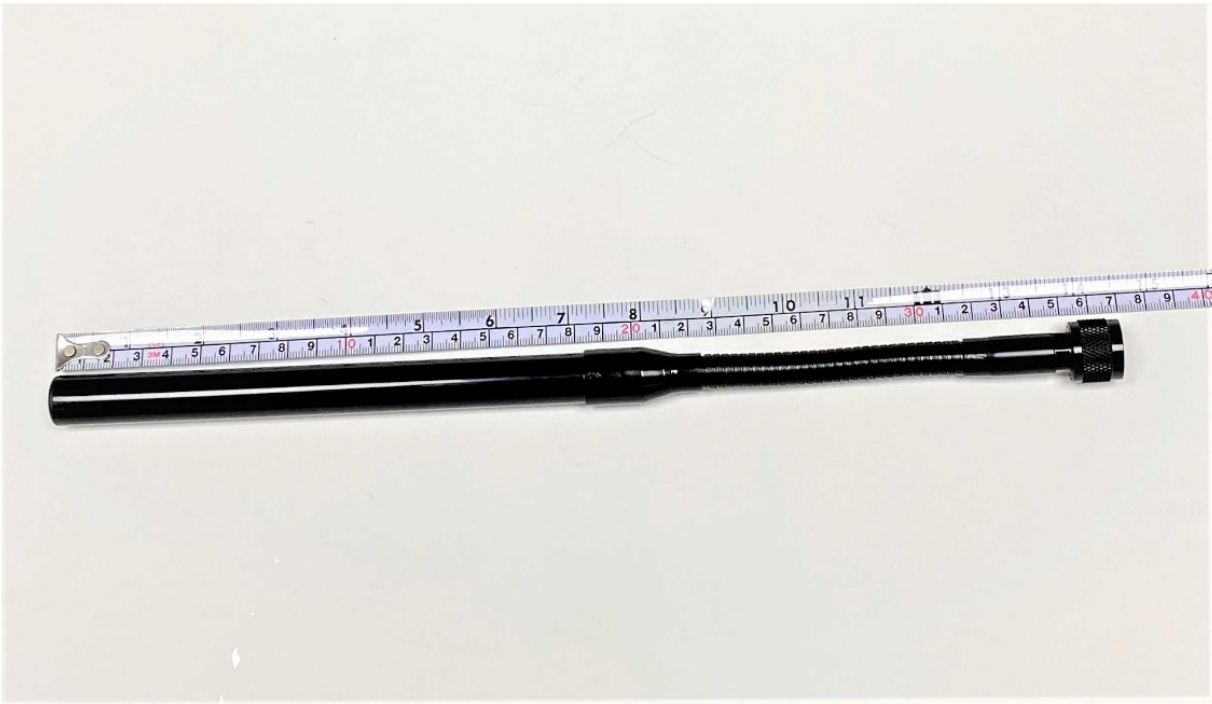
1.1 Electrical Properties

Parameter	Description
Frequency Band	400~470MHz
Nominal Impedance	50 ohm
Polarization	Vertical
Electrical Wave	Dipole
Return Loss	Please See Data-1
V.S.W.R	2.0 : 1
Gain	3db

1.2 Mechanical Properties

Parameter	Description
Antenna Type	External Antenna
Touch Type	Screw Type
Connector Type	N(Male)
Antenna Dimensions	370mm $\pm$ 15
Antenna Color	Black
Operating Temperature Range	-30°C~+80°C
Storage Temperature Range	-30°C~+80°C

2. Appearance

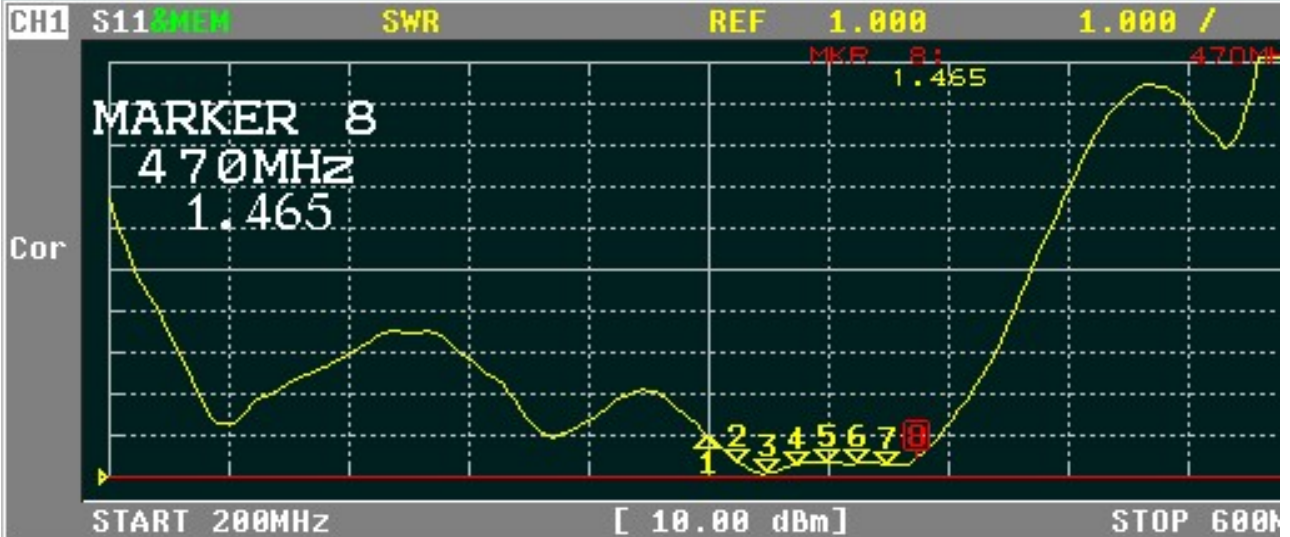


 Third angle projection	CUSTOMER'S	MODEL	PARTS NUMBER	FREQUENCY	UNIT	SCALE	DATE	VERSION
					M/M			1
	TOLERANCE	X. XX±0. 15	NAME	PARTS NUMBER	APPROVED	CHECKED	DRAWING	DESIGNED
	SURFACE ROUGHNESS		APPEARANCE					

3. Frequency



2023/05/29 Mon 10:41



CH1 MARKER LIST

1:	400.000MHz	2.007
2:	410.000MHz	1.380
3:	420.000MHz	1.093
4:	430.000MHz	1.311
5:	440.000MHz	1.355
6:	450.000MHz	1.332
7:	460.000MHz	1.298
8:	470.000MHz	1.465

2023/05/29 Mon 10:41



CH1 MARKER LIST

1:	400.000MHz	-9.741 dB
2:	410.000MHz	-15.324 dB
3:	420.000MHz	-22.883 dB
4:	430.000MHz	-16.331 dB
5:	440.000MHz	-15.832 dB
6:	450.000MHz	-20.549 dB
7:	460.000MHz	-16.277 dB
8:	470.000MHz	-13.375 dB

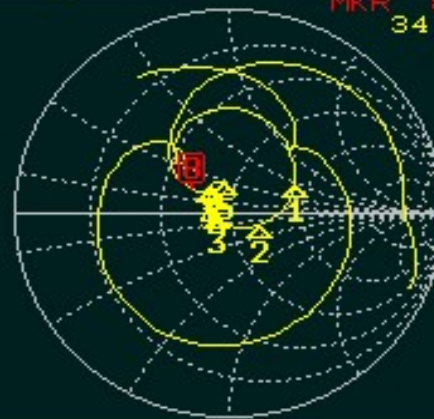
CH1 S11

SMITH(R+jX)

FS 1.000

MKR 8:
34.188 Ω 470MHz
8.004 Ω

Cor



START 200MHz

[10.00 dBm]

STOP 600MHz

CH1 MARKER LIST

1:	400.000MHz	87.407 Ω	27.438 Ω	10.917nH
2:	410.000MHz	66.411 Ω	-8.049 Ω	48.226pF
3:	420.000MHz	43.992 Ω	-1.627 Ω	232.857pF
4:	430.000MHz	40.646 Ω	9.290 Ω	3.438nH
5:	440.000MHz	45.530 Ω	13.205 Ω	4.776nH
6:	450.000MHz	43.225 Ω	7.901 Ω	2.794nH
7:	460.000MHz	41.551 Ω	11.181 Ω	3.868nH
8:	470.000MHz	34.188 Ω	8.004 Ω	2.710nH